

Appl. No. 09/595,354
Amendment dated April 22, 2004
Reply to Office Action of December 23, 2003

Amendments to the Drawings:

The attached 14 sheet of formal drawings replace the originally submitted 14 sheets of informal drawings. In Fig. 1, previously omitted reference numeral 12 has been added. In Fig. 2d, reference numerals 14, 18 and 20 are encircled for the Examiner's attention.

Attachments: 14 Replacement Sheets
 2 Annotated Sheets Showing Changes and numerals for attention

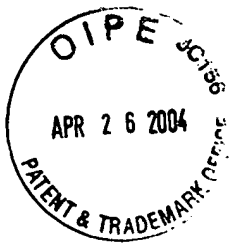


FIG. 1.

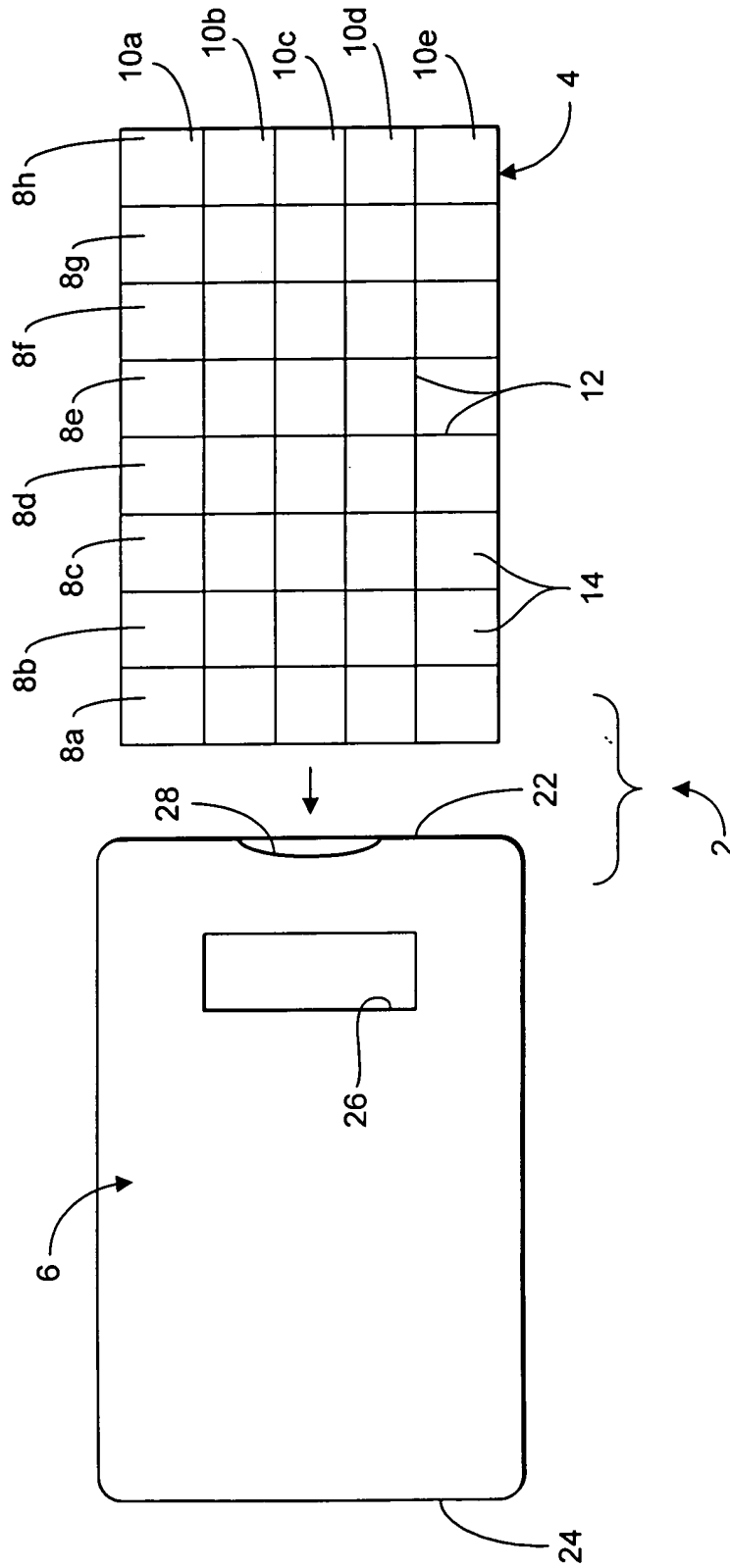




FIG. 2a.

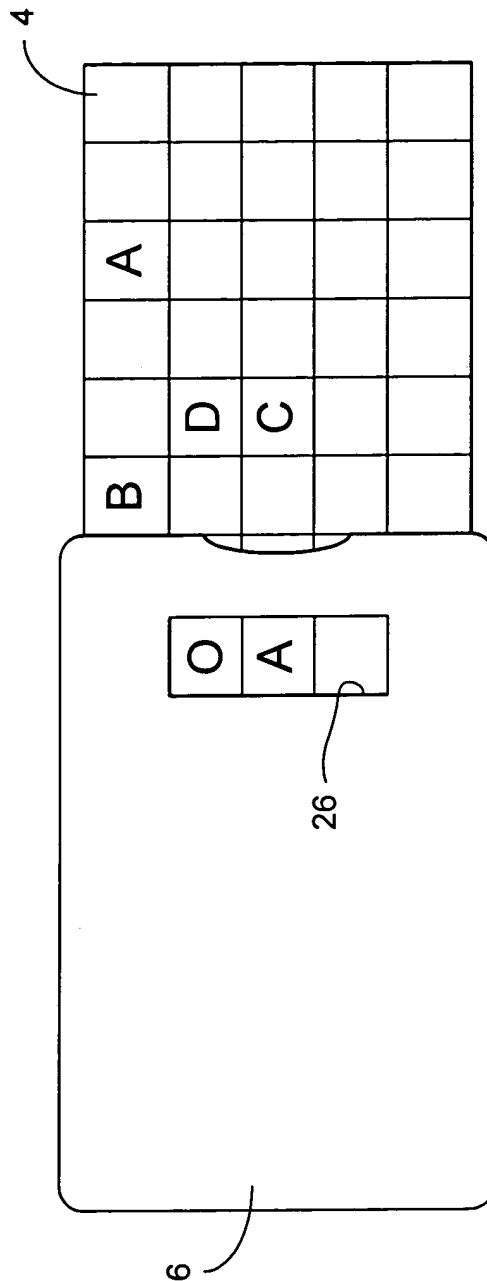
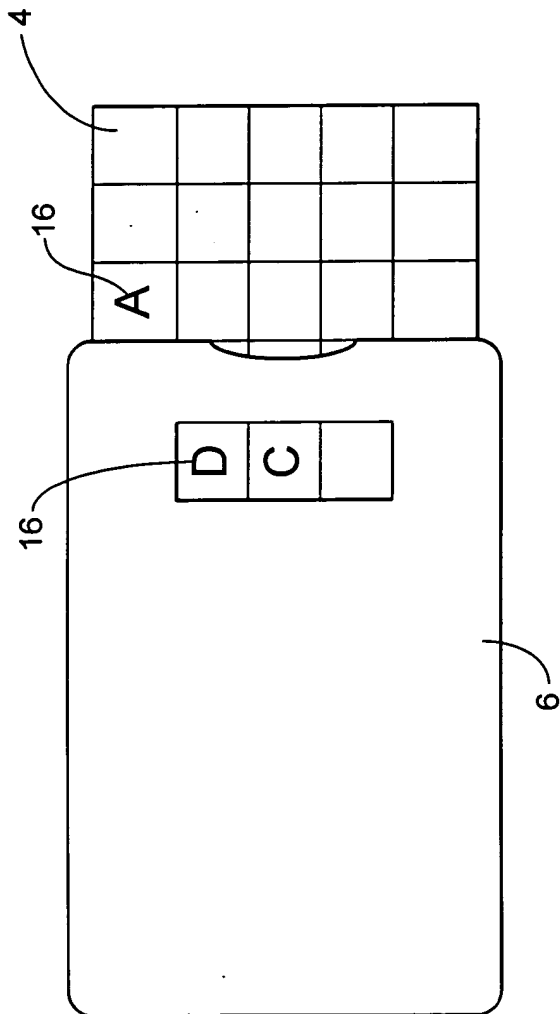


FIG. 2b.



FIG. 2c.

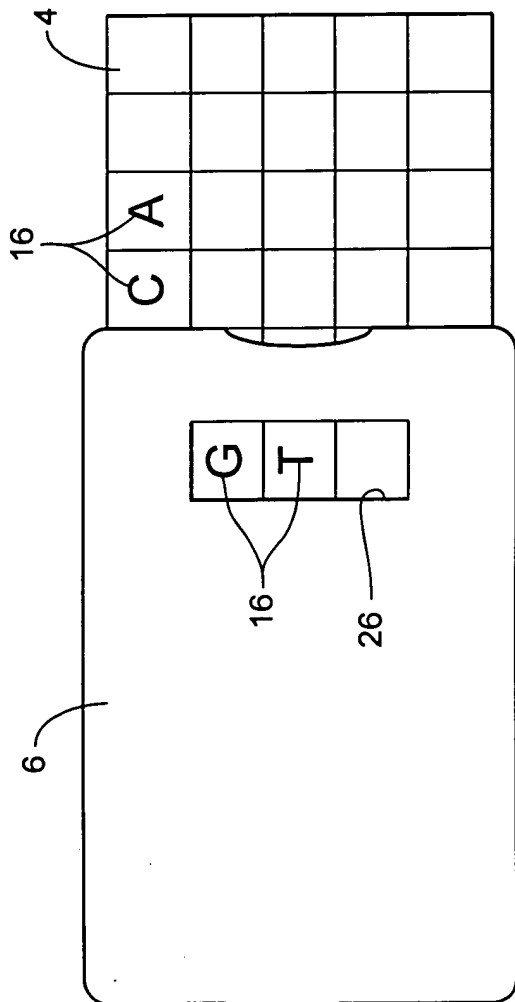


FIG. 2d.

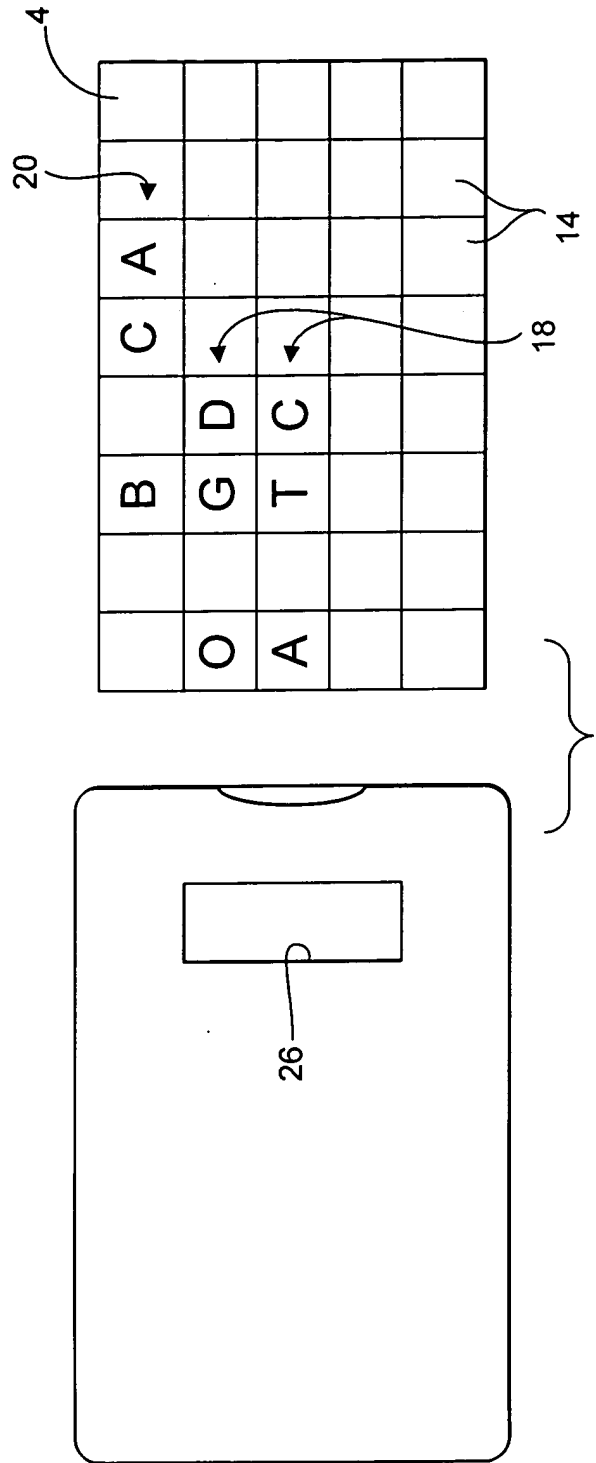




FIG. 2e.

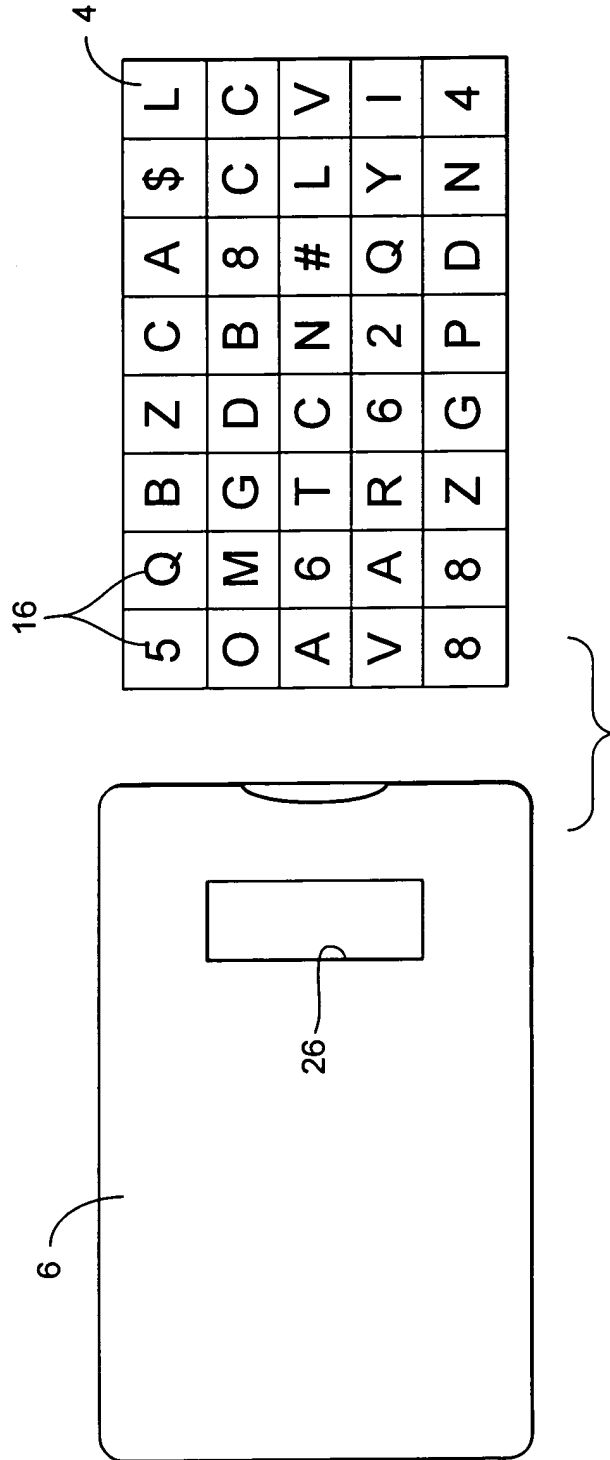




FIG. 3.

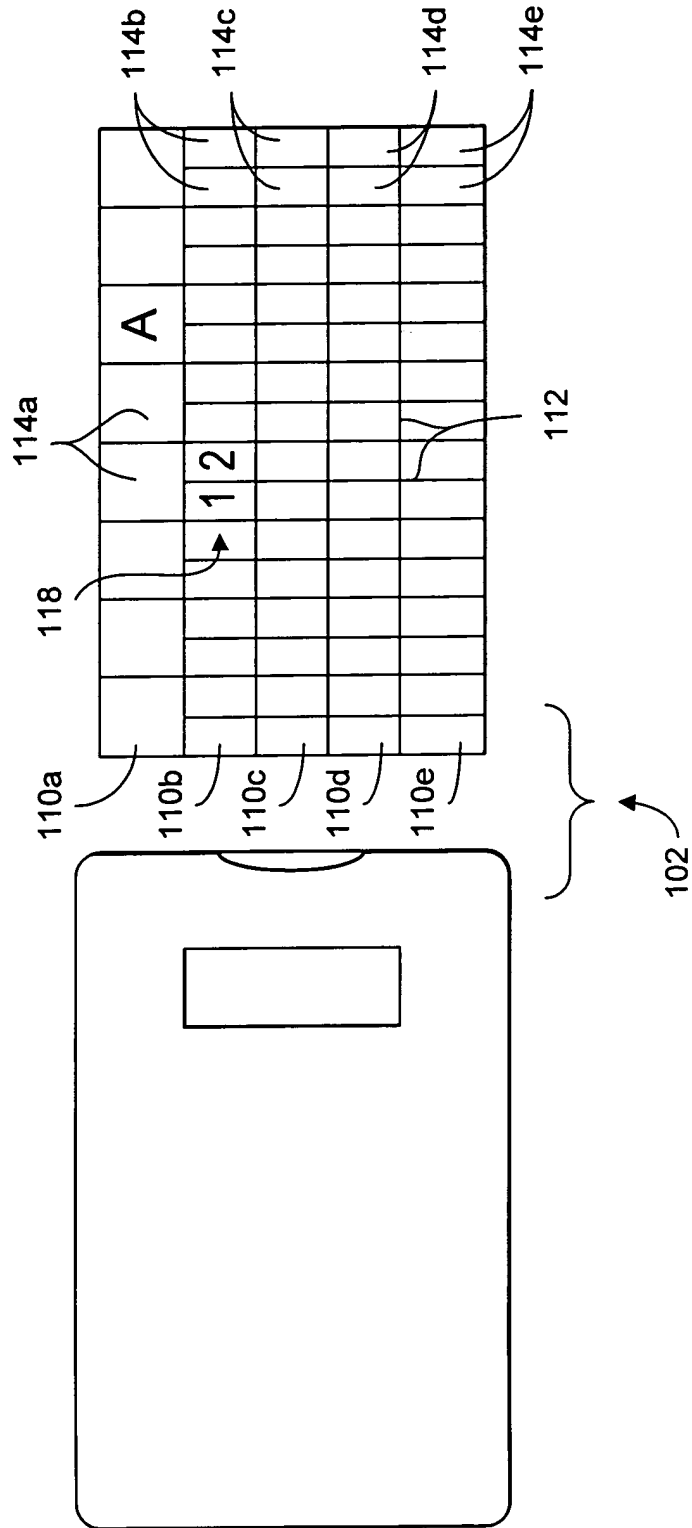




FIG. 4.

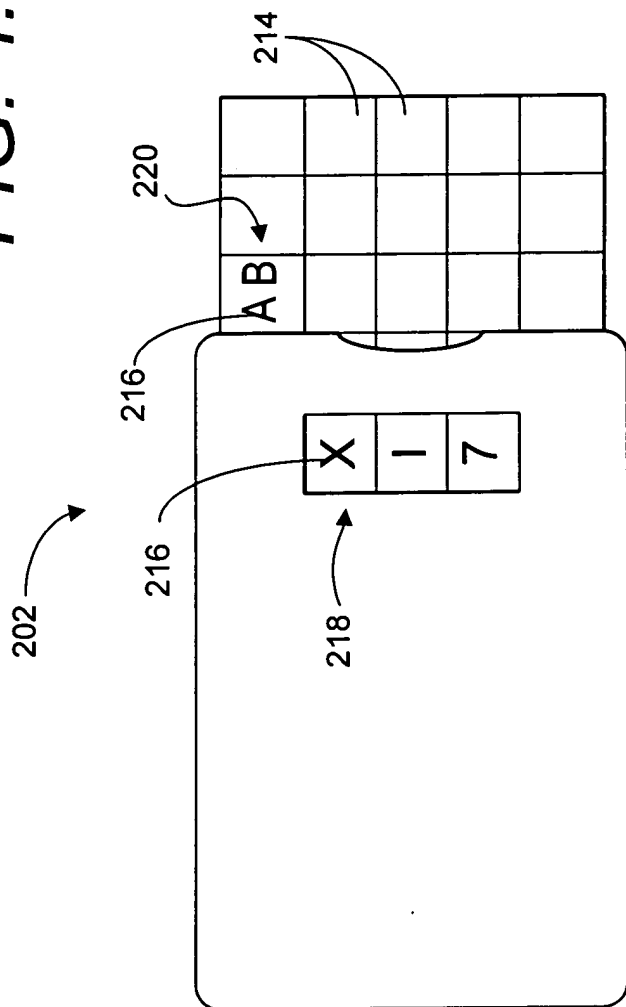


FIG. 5a.

302

304

312

320

A

304a

316

318

326a

7

Diagram illustrating a memory structure 312b. The structure is composed of a grid of cells 304b, arranged in 4 rows and 4 columns. A curved line indicates a continuation of the grid. A callout 316 points to a detailed view of a single cell 326b, which is a vertical rectangle divided into three horizontal sections. The top section contains the number 8. The entire structure is enclosed in a rounded rectangle 318.



FIG. 6a.

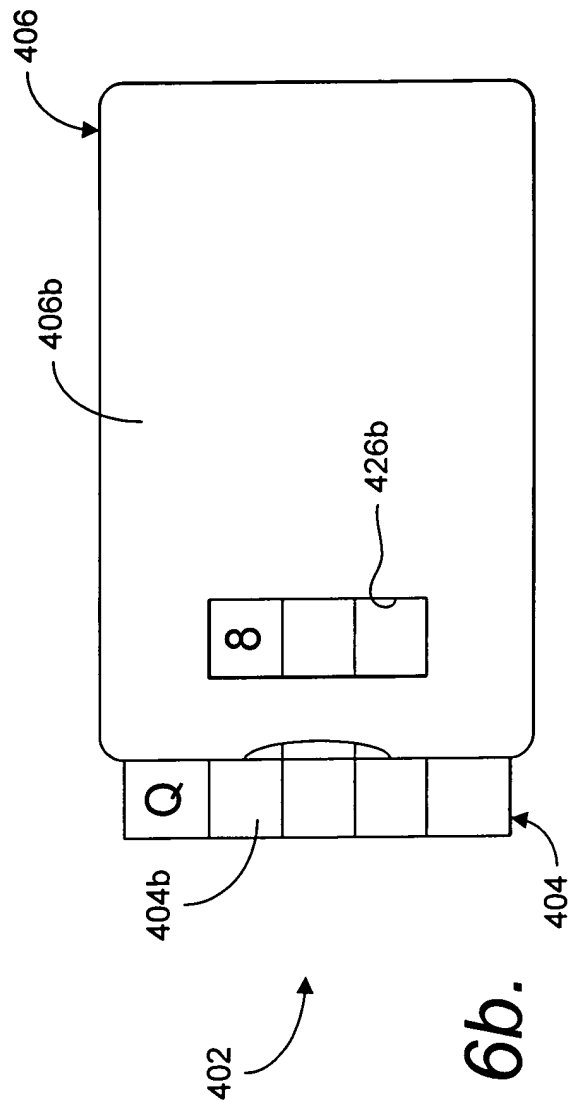
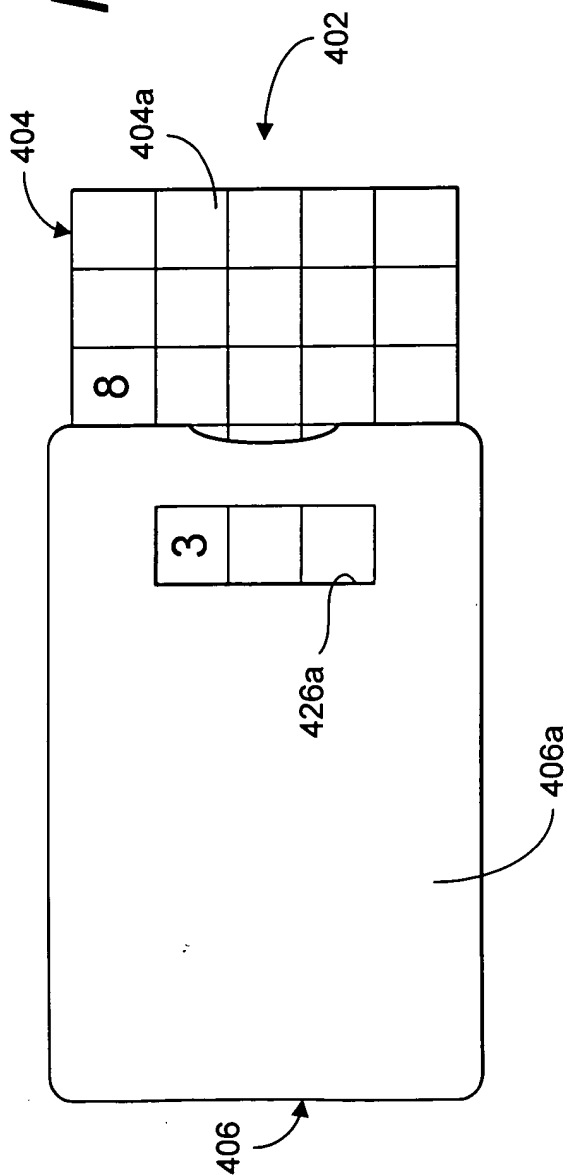


FIG. 6b.



FIG. 7a.

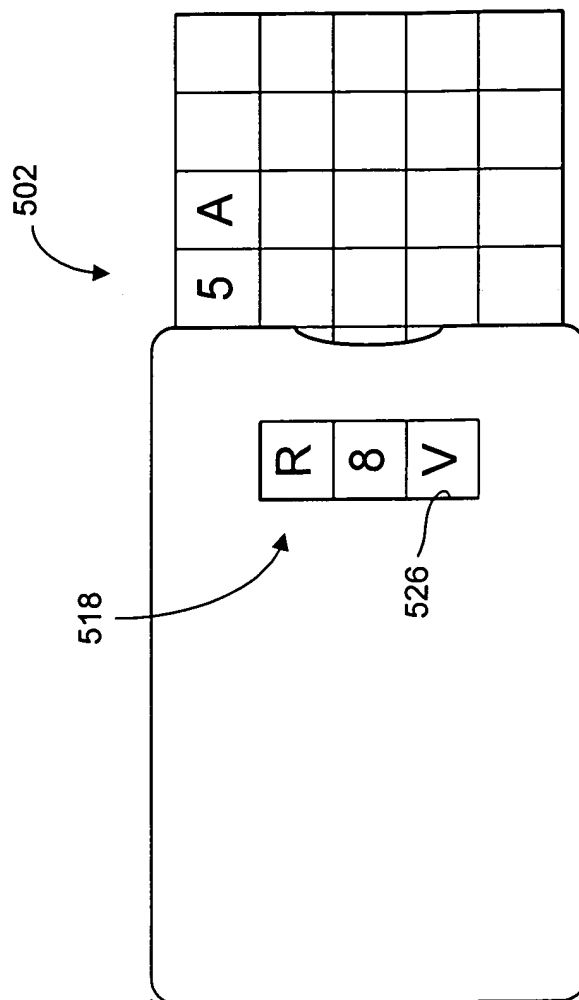
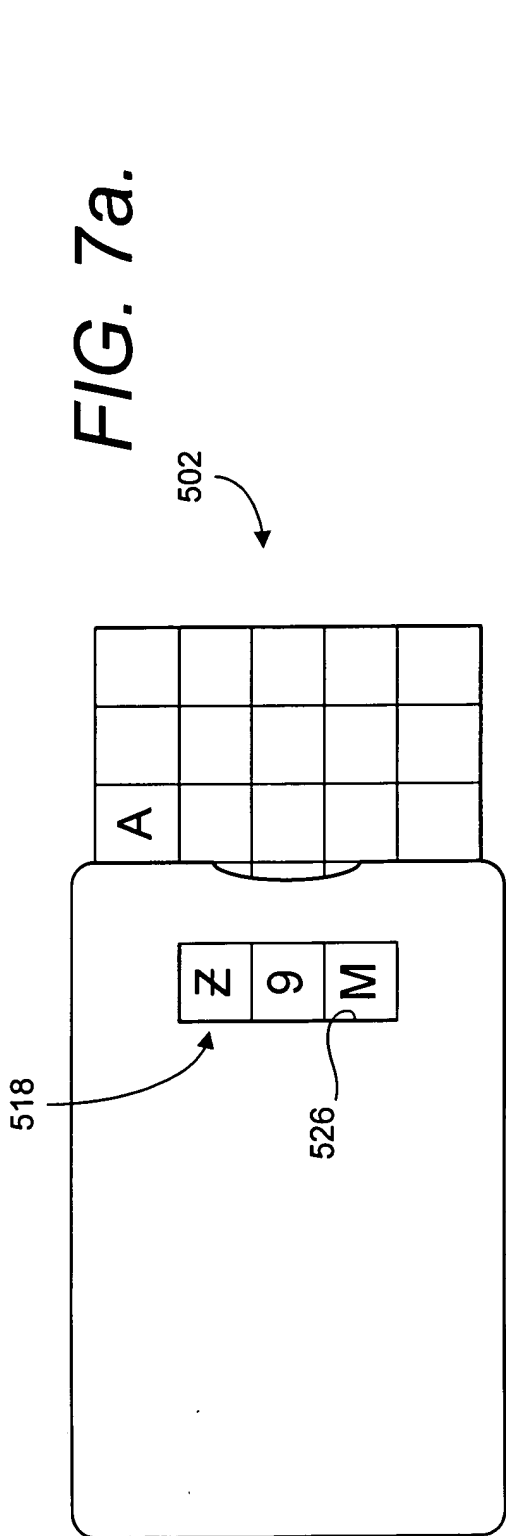


FIG. 7b.



FIG. 8b.

B	1	2	3	4	5	6	7	8
1								
2								
3								
4								
5								
6								
7								
8								

A	1	2	3	4	5	6	7	8
1								
2								
3								
4								
5								
6								
7								
8								

FIG. 8a.



602

604a

604

A							
1							
2	m	v					
3	i	e					
4							
5							
6							
7	y	R					
8							

FIG. 8c.

FIG. 8d.

602

604b

604

B							
1							
2							
3							
4				c	t	o	
5				g	h	t	
6							
7							
8							



FIG. 8f.

602

604b							
B	1	2	3	4	5	6	7
	Q	4	Q	g	h	t	L
	1	T	X	c	t	o	M
	L	N	S	Z	X	Y	Q
	5	X	Z	A	C	C	3
	Y	T	R	N	L	M	Q

604

602

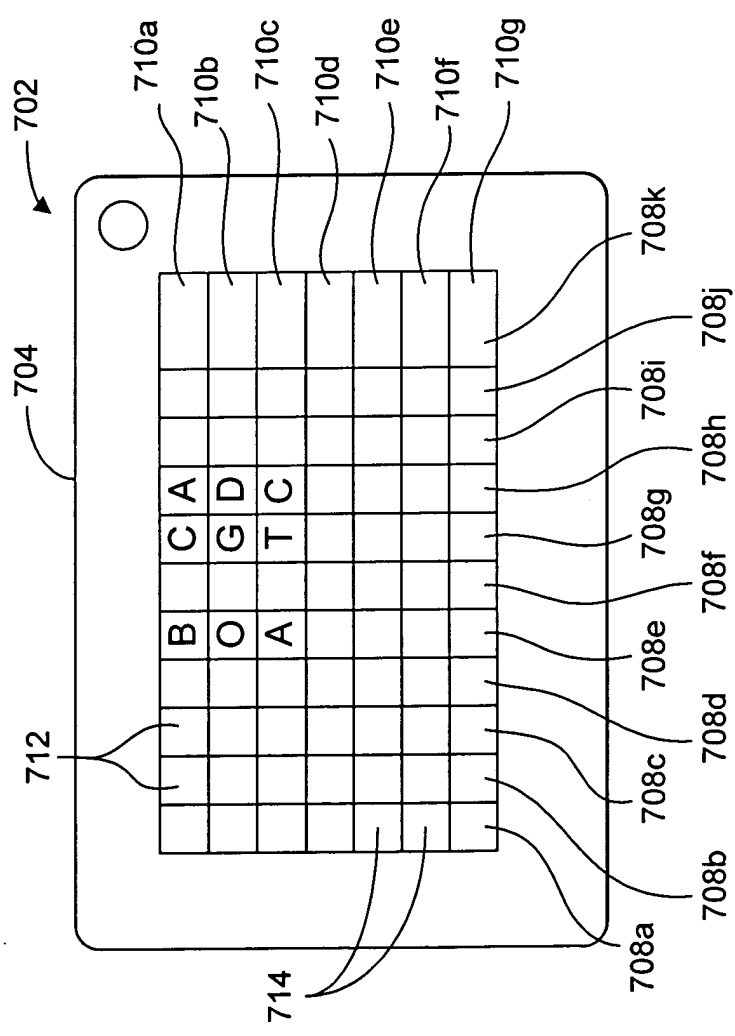
604a							
A	1	2	3	4	5	6	7
	Z	m	i	8	Q	T	Y
	Q	v	e	Z	Y	5	R
	1	B	R	M	M	O	7
	7	5	Q	T	S	Y	X
	R	B	Q	S	Y	X	R

604

FIG. 8e.



FIG. 9.



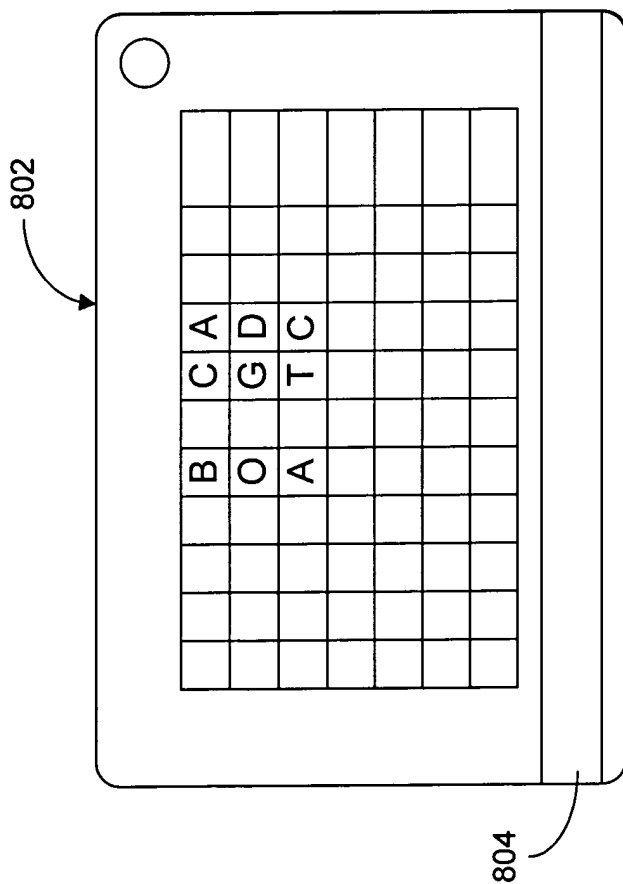


FIG. 10.



FIG. 1.

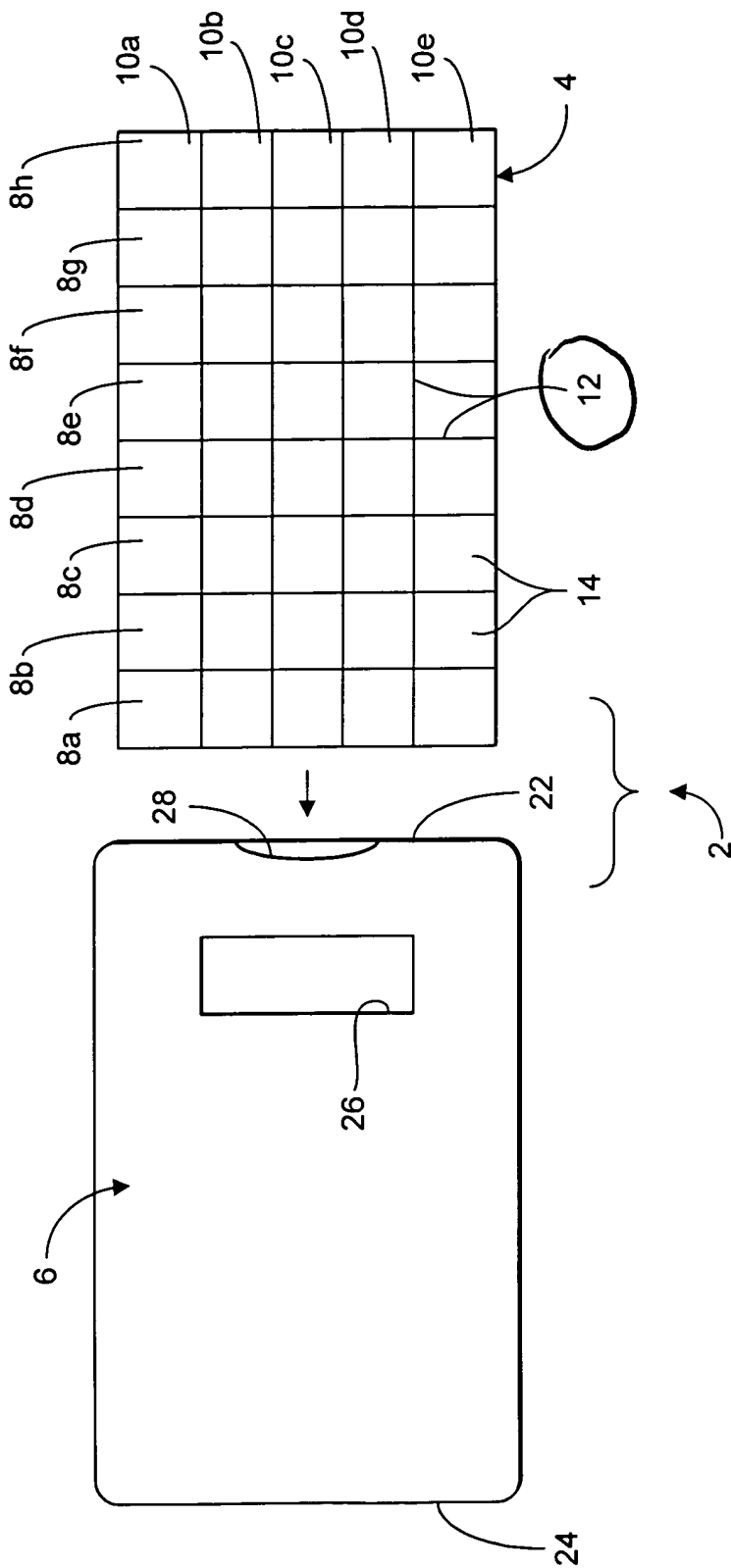


Diagram illustrating a nucleic acid array. A substrate (6) supports a grid of nucleic acid sequences (4). The sequences are represented by a grid of cells. The first column of the grid contains the letters 'A' and 'C', which are grouped by a bracket labeled 16. The second column contains the letters 'G' and 'T', which are also grouped by a bracket labeled 16. A third column is shown, with a bracket labeled 26 indicating its position relative to the other columns.

The diagram shows a 6x6 grid with the following letters in its cells:

	O	A			
	G	T			
B	D	C			
C					
A					

Arrows indicate connections from a label '20' to the 'A' in the top row, and from a label '18' to the 'D' and 'C' in the second row. A bracket on the right side of the grid is labeled '14'. Below the grid is a separate rectangular component labeled '26'.